

**TOP SECRET****PRIORITY**

OUT58840

TOP SECRET 172044Z CITE [ ] 7506

1966 JUN 17 20 50Z

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PRIORITY CABLE INFO [ ]

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GKCART

ATTN: [ ]

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1. REQUEST CLARIFICATION AND ADDITIONAL INFORMATION ON  
118A OPTICAL MECHANICS TO SPEED DEVELOPMENT OF MENSURATION  
MATH MODEL.

A. ARE THE OBLIQUE AIMING POSITIONS OBTAINED BY ROTATING  
THE MIRROR ABOUT AN AXIS PARALLEL TO THE LENS AXIS, OR ARE  
THEY OBTAINED BY ROTATING THE MIRROR ABOUT THE LENS AXIS ITSELF?

B. DOES THE OBLIQUE AIMING MIRROR IMPART AN APPARENT  
ROLL AND YAW TO THE IMAGE, AND IF SO, ARE THE ROLL AND YAW  
ANGLES EQUAL TO THE OBLIQUE AIMING ANGLE?

C. IS CAMERA YAW MEASURED ABOUT THE UNROTATED VERTICAL  
AXIS OF THE CAMERA HOUSING WITH PITCH MEASURED ABOUT THE ONCE  
ROTATED TRANSVERSE AXIS OF THE HOUSING AND ROLL MEASURED ABOUT  
THE TWICE ROTATED LONGITUDINAL AXIS OF THE HOUSING? IF NOT,  
PLEASE ELABORATE ON METHOD OF MEASUREMENT.

2. ANY DOCUMENTATION ON OBLIQUE AIMING MIRROR AND V/H  
SENSOR WOULD BE APPRECIATED BY [ ]

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-END OF MESSAGE-

20 JUN 1966

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